

20000624.qrp v01_n862.qrl.20000624

Date: Sat, 24 Jun 2000 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1862

QRP-L Digest 1862

Topics covered in this issue include:

- 1) [73318] Re: NC-40A PA Replacement
by Richard Arland <k7sz@epix.net>
- 2) [73319] Elecraft field day site; K1 testing
by Wayne Burdick <n6kr@elecraft.com>
- 3) [73320] SMK-1 Question
by billrobb@net-link.net
- 4) [73321] Re: SMK-1 Question
by Paul Maciel <pmaciel@inow.com>
- 5) [73322] Re: rubber rejuvenator?
by "Dave Lichtenwalner" <alphabet@bellatlantic.net>
- 6) [73323] Re: Voice Mode
by Hank <elly@epix.net>
- 7) [73324] Re: Voice Mode
by "Victor Blackwell" <victor@brecnet.com>
- 8) [73325] Re: Fw: MESSAGE FOR BOB, WA2HOQ
by Hank <elly@epix.net>
- 9) [73326] Re: Voice Mode
by "Larry Wise" <lewise@txwises.com>
- 10) [73327] Re: ZM-2 Tuner Schematic & T1 Help needed
by "Mike" <steam@corecomm.net>
- 11) [73328] Re: AOL STRUCK AGAIN
by "Mike" <steam@corecomm.net>
- 12) [73329] [PROP] FD Conditions
by "Paul Harden, NA5N" <na5n@rt66.com>
- 13) [73330] FD Pack Photo
by "K7FD-N7SG" <cqdx@teleport.com>
- 14) [73331] Re: Fw: MESSAGE FOR BOB, WA2HOQ
by "George T. Baker" <w5yr@att.net>
- 15) [73332] FS: SST/40 Novice *Like New*
by "Jason Milldrum" <thecabal@mindspring.com>
- 16) [73333] Re: Voice Mode
by Nv4t@aol.com
- 17) [73334] Re: rubber rejuvenator?
by Anthony Bailey <abailey@clas.net>
- 18) [73335] Re: Voice Mode
by Nv4t@aol.com
- 19) [73336] Re: ZM-2 Tuner Schematic & T1 Help Needed

- by "NN7CK" <nn7ck@mindspring.com>
- 20) [73337] Re: QRP Screws
by mahlon.r.haunschild@ac.com
- 21) [73338] Re: Voice Mode
by Russ Dow <n7dw@garlic.com>
- 22) [73339] Re: Voice Mode
by AdamN7YA@aol.com
- 23) [73340] FD 2000
by "J. Ervin Bates" <w8erv@email.msn.com>
- 24) [73341] OT: Puzzle (But much more interesting than Tonto's horse)
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 25) [73342] Quick test
by David J Adams <adamsclan@netgate.net>
- 26) [73343] Re: Milliwatt Contest/Exchange
by Jim Hale <kj5tf@yahoo.com>
- 27) [73344] Re: Milliwatt Contest/Exchange
by Bob Patten <n4bp@bc.seflin.org>
- 28) [73345] QRP Field day
by Fred Lesnick <flesnick@tbaytel.net>
- 29) [73346] Off to FD 2000
by Thomas Kuehl <ac7a@gci-net.com>
- 30) [73347] Barry Goldwater Museum Project
by Chris Trask <ctrask@primenet.com>
- 31) [73348] Help with paddle repair
by Marty <N5NW@midsouth.rr.com>
- 32) [73349] CQC Field Day
by "Marshall Emm" <mgemm@mtechnologies.com>
- 33) [73350] Re: Puzzle (But much more interesting than Tonto's horse)
by "Dan W. Dooley" <dandooley@pipeline.com>
- 34) [73351] Change of email address
by "C. Lamar Derk" <n3at@noln.com>
- 35) [73352] MC3362
by oxf01@maxmail.co.uk
- 36) [73353] OT:WinSpice3 help needed
by David Shalita <af389@lafn.org>

Date: Fri, 23 Jun 2000 23:15:18 -0400
From: Richard Arland <k7sz@epix.net>
To: AA3BP@aol.com, QRP List <qrp-l@lehigh.edu>
Subject: [73318] Re: NC-40A PA Replacement
Message-ID: <395427C6.9D66B92@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In addition, I just called RF Parts in California and they DO have the

MRF-237 in stock at around \$10/each. They have a \$25 minimum purchase. Additionally, they also stock the MRF260 which can be used also, they are around \$11+.

73 Rich K7SZ

AA3BP@aol.com wrote:

>

> Thanks, Rich!!!

>

> Jim, AA3BP

>

> In a message dated Thu, 22 Jun 2000 9:22:00 PM Eastern Daylight Time, Richard Arland <k7sz@epix.net> writes:

>

> << HI Jim:

>

> MRF-237 is the puppy...hard to come by according to the two guys who answered my query. If I find a source, I'll advise.

>

> 73 Rich K7SZ

>

> AA3BP@aol.com wrote:

> >

> > Rich,

> >

> > I'd be most interested in learning the answer to your question. If you receive the answer "off list" would you mind letting me know.

> >

> > (This is my second attempt at this reply; if it's a dup, my apologies.)

> >

> > tng,

> >

> > Jim, AA3BP

> >

> > In a message dated Wed, 21 Jun 2000 10:03:34 PM Eastern Daylight Time, Richard Arland <k7sz@epix.net> writes:

> >

> > << Does anyone know what the "popular" MRF device that was used to replace the original PA in the Wilderness NC-40As for increased power output?

> > The only number that comes to my mind is MRF-455 which is about \$11+ from RF Parts. Am I close?

> >

> > 73 Rich K7SZ

> > >>

> >>

Date: Fri, 23 Jun 2000 16:25:59 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu, elecraft@qth.net
Subject: [73319] Elecraft field day site; K1 testing
Message-ID: <v03102801b5799842d5a0@[206.169.248.103]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

Eric and I will be at Henry Coe state park again this year. We'll have the K1 and a couple of K2s. I believe John, KI6WX is also planning to be at Coe, and no doubt a few of the locals will be, too.

If you don't use computer logging, feel free to download, use, give away, or modify the paper-oriented FD log and dupe sheets that we created for our own use:

<http://www.elecraft.com/Misc/fdlog.xls>
<http://www.elecraft.com/Misc/fddupe.xls>

These were created using Excel. You'll have to adjust the margins for your local printer.

The K1 will be getting its first crack at Field Day. We'll also be testing the ground-mount bracket (intended to make the K1 a Trail-Friendly Radio) on various surfaces. The K1 won't be at the site until about 3 PM on Saturady due to an unavoidable errand that I have to run. Eric will entertain you in the mean time. Look for the "Elecraft" sign.

Visitor/operators are definitely welcome, anytime. We're probably going to be in a large parking area on the right-hand side of the road, about 1/4 mile *before* you get to the park itself. There's an element of risk, too, in that we aren't entirely sure if anyone else has reserved this spot. The only park ranger who knows is on vacation! But we we'll be bringing plenty of beer and trinkets to trade if the other tribes are hostile.

Last year we teamed up with the K6SRA group (Sierra Repeater Association). Their info from last year is very helpful in case you want to come to Henry Coe:

<http://www.qsl.net/sra/fielddday1999.html>

And here's the park's official site, also with maps and directions:

<http://www.coepark.parks.ca.gov/>

Good luck to all!

73,
Wayne, N6KR
Eric, WA6HHQ

Date: Fri, 23 Jun 2000 19:45:25 -0400
From: billrobb@net-link.net
To: qrp-l@lehigh.edu
Subject: [73320] SMK-1 Question
Message-ID: <3.0.6.32.20000623194525.007a0e70@pop.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang:

I ordered this kit a very long time ago and have not yet received it.
With whom or where can I check on the status???

Thanks in advance

Bill Robbins

Date: Fri, 23 Jun 2000 17:00:19 -0700
From: Paul Maciel <pmaciel@inow.com>
To: billrobb@net-link.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73321] Re: SMK-1 Question
Message-ID: <3953FA13.F44A0AA5@inow.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Bill,

Ask Jim Cates wa6ger@aol.com - if your check cleared and if he has your
correct address I'm sure he will send one right out.

72,

---Paul AK1P

billrobb@net-link.net wrote:

>
> Gang:
>
> I ordered this kit a very long time ago and have not yet received it.
> With whom or where can I check on the status???
>
> Thanks in advance
>
> Bill Robbins

Date: Fri, 23 Jun 2000 21:28:39 -0400
From: "Dave Lichtenwalner" <alphabet@bellatlantic.net>
To: "QRP-L List" <qrp-l@Lehigh.EDU>, <jskalski@localnet.com>
Subject: [73322] Re: rubber rejuvenator?
Message-ID: <001101bfdd7b\$87863a20\$6a7fc497@w4e7s1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

I almost hate to get into this one, but here it goes. I've gotten a few extra years out of what is now a 15 year old VCR by giving the rubber (real or fake - I don't know) wheels and belts a treatment as needed with the following product:

Vita-Drive Rubber Drive Cleaner made by Scotty Enterprises of Monroe, Inc., 645 Ketal Ave, Williamstown, NJ 08094.
Tel # 609-728-9438. Their claim on label: "Will restore the gripping surface of hardened rubber drives used in Tape Recorders and Video Equipment, etc."

My 1 oz bottle purchased at local wholesale electronics distributor a few years ago is marked \$2.50. Warning - this stuff really has a very powerful an odor!

72,
Dave KA3EAJ #245
Columbia, MD

Date: Fri, 23 Jun 2000 21:35:40 -0400
From: Hank <elly@epix.net>
To: qrp-1@Lehigh.EDU
Subject: [73323] Re: Voice Mode
Message-ID: <3954106C.CC9F6094@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wasn't it No K's no WA's? And who remembers his call?

Han K3PM

Date: Fri, 23 Jun 2000 21:43:17 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <elly@epix.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [73324] Re: Voice Mode
Message-ID: <002001bfdd7d\$92e9a760\$585730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

W20Y Do I get the donut? Or was it Harry in Twinsburg, OH?

-----Original Message-----

From: Hank <elly@epix.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, June 23, 2000 9:33 PM
Subject: Re: Voice Mode

> Wasn't it No K's no WA's? And who remembers his call?

>

> Han K3PM

>

Date: Fri, 23 Jun 2000 21:43:07 -0400
From: Hank <elly@epix.net>

To: qrp-1@Lehigh.EDU
Subject: [73325] Re: Fw: MESSAGE FOR BOB, WA2HQQ
Message-ID: <3954122A.24218157@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Yo Silver away, away

Kemo Savvy

Date: Sat, 24 Jun 2000 01:47:24 +0100
From: "Larry Wise" <lewise@txwises.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [73326] Re: Voice Mode
Message-ID: <200006240145.UAA30279@aoot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On Fri, 23 Jun 2000 21:35:40 -0400, Hank wrote:

> Wasn't it No K's no WA's? And who remembers his call?
>
> Han K3PM
>

W20Y of course....No Kids...No Lids....

Larry KA5T

Date: Fri, 23 Jun 2000 18:16:28 -0500
From: "Mike" <steam@corecomm.net>
To: <nn7ck@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73327] Re: ZM-2 Tuner Schematic & T1 Help needed
Message-ID: <000f01bfdd69\$10587380\$64ced6d8@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Info on Toroid T1 of the ZM-2 follow verbatim from page one of the = manual.

Any more info needed, let me know. Mike, N9IV0

Step 1:

Select the 15" length of green wire and strip away about 1" of = insulation from one end. We will start winding the center section first = by forming the wire as shown in the cross section drawing . NOTE: = winding clockwise or counterclockwise makes no difference, but which = ever way you choose to use, keep the same direction on the whole toroid. = Wind 5 turns and end it as shown in the cross section drawing by = forming around the toroid core and trimming and stripping as as shown.

Step 2:

Cut a 19 1/2" length of red wire and prepare ONE end as you did for = the start of green wire as above. Form on core as shown on cross section = drawing. Twist together the green wire and wind 11 turns in same = direction as if it were a continuation of the green wire. Again, wind = snug on the core. Leave the end long, 3" or more, do not strip at this = time.

Step 3:

Repeat the above process as in step 2 with another 19 1/2 " length = Red wire connecting to the other end of the green wire.

You now have a toroid wound with the necessary taps. Note that it is = symmetrical in the windings. 11 turns, 5 turns and 11 turns with long = wire ends.

Step 4:

Cut a 20" length of black wire. With 3 to 4 inches of free wire, = hold it alongside of one of the red wires (either end is ok) and start = winding over the existing red winding going backwards this time, but = following the red wire as if the red and black wires are in parallel. = Wind 7 turns. Keep the turns snug against the red winding, note that on = the inside of the core, the Black wire will lay on top of the red wires, = and on the core outside, the black wire will tend to lay between the red = wires. Bring the black ends together and twist lightly together. This = will hold the link winding in place. Set T1 aside for now.

Hope this helps... Mike

<><> ><<> ><<> <><> ><<> <><> ><<> <><> <><> ><<>

Mike Pender Chicago N9IV0

steam@corecomm.net <http://www.corecomm.net/~steam> =20

><<> <><> <><> ><<> <><> ><<> ><<> <><> ><<> <>

----- Original Message -----=20

From: NN7CK <nn7ck@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, June 23, 2000 5:42 PM
Subject: ZM-2 Tuner Schematic & T1 Help needed

> Gang this weekend I planned to build the ZM-2=20
> I need info on the transformer T1 and would appreciate any help that =
you
> guys can offer.
>=20
> TNX es 72/73,
>=20
> Gene ... NN7CK ... Asheville, NC
>=20

Date: Fri, 23 Jun 2000 18:23:41 -0500
From: "Mike" <steam@corecomm.net>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73328] Re: AOL STRUCK AGAIN
Message-ID: <002d01bfdd6a\$12520420\$64ced6d8@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

I never seen it :-)

<>< ><< ><< <>< ><< <>< <>< ><< <>< <>< ><
Mike Pender Chicago N9IV0
steam@corecomm.net <http://www.corecomm.net/~steam> =20
><< <>< <>< ><< <>< ><< <>< <>< ><< <>
----- Original Message -----=20
From: <RangerSF5@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, June 22, 2000 5:25 PM
Subject: AOL STRUCK AGAIN

> Hi Gang,
> If anyone is seeing this post please let me know.
> Only saw 3 today and saw mine on bluelight.com but not on AOL.
> Bob
> WA2HOQrp <tm>

Date: Fri, 23 Jun 2000 20:06:38 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-1@lehigh.edu
Subject: [73329] [PROP] FD Conditions
Message-ID: <Pine.SUN.4.10.10006231927400.16151-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
Comments on today's solar and geomagnetic activity follow. Below that is a short WHAT DOES IT ALL MEAN? in very simple terms, followed by a strategy guide on how to use this weekends activity to maximize your QRP effort. Hopefully those of you new to QRP Field Day will find it helpful.

GL, Paul NA5N

> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z
> TO 23/2100Z: SOLAR ACTIVITY INCREASED TO MODERATE LEVELS. REGION
> 9046 (N21W34) PRODUCED AN M2/2B FLARE ...

There were several C and M class flares today from regions 9042 and 9046. However, both are not geoeffective, meaning the shock waves will not hit the earth.

> GEOMAGNETIC FIELD ACTIVITY RANGED FROM QUIET TO MINOR STORM LEVELS. A
> SUDDEN IMPULSE (SI) OCCURRED

Two effects hit us today.

- 1) The solar wind rapidly rose from 375 (about average) to over 550 km/sec (a shock wave) as the result of a coronal hole that rotated to the center of the sun. It was not expected to have much of an effect, but the marked rise in the solar wind shows this coronal hole is spewing electrified gas right at us! As I write this (1930 MDT) the solar wind is still 550 km/sec, or high enough to distort our magnetic field and cause active disturbances and enhanced noise on HF <10 MHz.
- 2) The DENSITY of the solar wind also rose later today ... it is currently 34 protons/cc. Coronal holes do NOT cause an increase in the solar wind density. Therefore, it believed this is the remnant of a CME (coronal mass ejection) from a C class flare on June 21st. The effects of this will dissipate shortly.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC FIELD ACTIVITY IS
> EXPECTED TO REMAIN AT UNSETTLED TO MINOR STORM LEVELS THROUGH MOST
> OF THE PERIOD.

This forecast of continued unsettled to minor storm levels is due to the fact that a coronal hole spews stuff at us for several days, keeping the solar wind velocity higher than normal, and hence our magnetic field in sort of a constant jiggle to generate HF noise. This will effect 40-80M mostly, and the effects will be less at night as the earth rotates away from the solar wind.

In short, 40-80M may have periods of above normal noise, but not to a level to seriously disrupt communications. D-layer absorption is normal, meaning typical absorption to signals on 40-80M. That's good, considering the moderate solar activity today.

> PCAF GREEN

No Polar Cap Absorption (PCA) event is likely, so our friends in Alaska should have a good go at Field Day as well.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 23 JUN 175
> PREDICTED 24 JUN-26 JUN 175/170/165
 ^^^ ^^^
 SAT SUN

Fairly high solar flux for good skip propagation on the higher bands (20-10M) over the weekend for Field Day.

> PREDICTED AFR/AP 24 JUN-26 JUN 020/025-020/025-020/025
 ^^^ ^^^
 SAT SUN

An A-index of 25 is right on the line between ACTIVE and MINOR STORM levels. But this is averaged over 24 hours and over the globe. Your mileage will differ (probably for the better).

WHAT DOES ALL THIS MEAN?

SOLAR FLUX is reasonably high. This means the E and F layers are being ionized well during daylight hours for a high maximum usable frequency (MUF) and good reflectivity for skip propagation. This effects primarily the higher bands, that is, 20M through 10M, should be in good shape.

GEOMAGNETIC DISTURBANCES generates noise on HF ... the lower the frequency, the higher the noise levels. The effects are usually not noticed until 40M, and a bit worse down on 75-80M, a way bunch worse on 160! So this only effects 40M and below.

QRP FD STRATEGY.

The general accepted theory is to start operating on the highest frequency you can, namely 10M. 10M should be open until local sundown. Work 10 and 15M during daylight hours. When the sun goes down, forget 10M, go to 15M until you milk it out or propagation goes to pieces a few hours after sunset. 20M will be open and active all night long.

40M will be the band to use late at night/early morning after everyone milks out 20M. However, activity does start on 40M late afternoon for those of you who don't have 15 or 20M capability. 75M phone also picks up shortly after sundown; CW on 80M seems to depend on how many ops decide to head down there. Some FD's, activity on 80M CW is scarce, but that's due to activity, not conditions.

Due to the way our sun travels across the U.S. from east to west, propagation on 20-10M during the day tends to be more east-west paths. You will find "holes" in the sections you work to the north-south, north-west, south-west, etc. BUT ... by working 10, 15 or 20M shortly before through a bit after sundown, your signals will tend to start propagating more north-south due to the GREY LINE phenomenon. This is where your signals tend to flow along the terminator, or shaddow, as sunset approaches you. So, plan on working your band of preference around this time to fill in some of those north-south sections you've been missing all day, and may not have an opportunity to work otherwise.

You're competing with stations running 100W to 1000W. So to compete with your 5W, use a good, tuned antenna, and apply the above strategy to maximize your signal path, pick up those "hidden" sections during the grey line and the highest frequency you can to get the most bang for the buck (also known as the best "signal to noise" ratio).

GL to all and have a great time.

72, Paul NA5N

Date: Fri, 23 Jun 2000 19:35:18 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <elecraft@qth.net>
Subject: [73330] FD Pack Photo
Message-ID: <005e01bfdd84\$d741d2a0\$82231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anticipation is half the fun...field day is tomorrow, tonight is 'packing it all up' night...

...and it all fit! Photo at: <http://www.teleport.com/~cqdx/fd2000.htm>

CUL, John K7FD, field day team member of K7AM, Oregon

PS. NOT SHOWN IN FD PACK: Popcorn, Pepsi, Pistachos, Hot Tamales Candies, White Cheddar Corncakes, Granola Bars, Vanilla Wafers, Jelly Belly Candies, Bottled Water, Lorna Doone cookies, Doritos, and Tums.

Date: Fri, 23 Jun 2000 21:42:35 -0500
From: "George T. Baker" <w5yr@att.net>
To: elly@epix.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73331] Re: Fw: MESSAGE FOR BOB, WA2HOQ
Message-ID: <3954201B.769B0EC0@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Kemo Sabi" ??

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

Hank wrote:

>
> Hi Yo Silver away, away
>
> Kemo Savvy

--

Date: Fri, 23 Jun 2000 19:48:19 -0700
From: "Jason Milldrum" <thecabal@mindspring.com>
To: <qrp-1@lehigh.edu>
Subject: [73332] FS: SST/40 Novice *Like New*
Message-ID: <NEBBKHNMEDODBDLOKEPJ0EFKCAAA.thecabal@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've got a 40M Novice band SST that I'm not using anymore. It is constructed and works fine. It has only been used a little bit and I still have the manual for it. I'm asking \$90 which includes shipping. I would prefer credit card payment through paypal.com.

If you have any questions or would like to buy, contact me at:

kd7jki@arrl.net

Thanks,

Jason
KD7JKI

Date: Fri, 23 Jun 2000 23:22:33 EDT
From: Nv4t@aol.com
To: victor@brecnet.com, qrp-1@lehigh.edu
Subject: [73333] Re: Voice Mode
Message-ID: <8.6cc0b8b.26858379@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

As I breathe, 'twas W20Y- but do you know the story of his demise? Supposedly he suffered a heart attack while working on his tower, and dangled there quite a while until the fire department could bring down his lifeless body!

73, Bill NV4T former K3DDX, one of
many tormented by good ol' OY

Date: Fri, 23 Jun 2000 22:29:22 -0500
From: Anthony Bailey <abailey@clas.net>
To: jskalski@localnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [73334] Re: rubber rejuvenator?
Message-ID: <v04210100b579da0a29ec@[192.168.1.2]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Here you go Jim, this is what I use when I work on printers. Best stuff I have ever used and it even smells good...
Tony

Tech Spray, Rubber Rejuvenator/Platen Cleaner, Rubber Roller Cleaner,
1612-2sq, Tech Spray, Inc., PO Box 949, Amarillo, Texas, 79105,
806-372-8523, <http://www.techspray.com>

>Does anyone know of a product that could be used on rubber friction wheels
>or rollers. They get glazed and tend to slip when they get old and dry.
>
>
> 73,
>
> Jim n2go

Sent from Anthony Bailey KC0HZP (mailto:abailey@clas.net)
on a PowerComputing PowerBase 180 in Marble Hill, Missouri

Date: Fri, 23 Jun 2000 23:39:27 EDT
From: Nv4t@aol.com
To: Nv4t@aol.com, qrp-l@lehigh.edu
Subject: [73335] Re: Voice Mode
Message-ID: <92.689d7b5.2685876f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hey guys, I just looked up the w2oy callsign, it's registered to a club called Buffalo Radio Amateur Foundation , Yep that's (BARF). How appropriate!

73 y'all Bill, nv4t

Date: Sat, 24 Jun 2000 00:13:17 -0400
From: "NN7CK" <nn7ck@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <nn7ck@mindspring.com>
Subject: [73336] Re: ZM-2 Tuner Schematic & T1 Help Needed
Message-ID: <027201bfdd92\$86d4a5f0\$a78a8ad1@gene>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Once again the members of the list have come up with the solution to a technical situation. I want to thank everyone who offered help I think I have what I need to build the ZM-2 now.

Thanks Fellows es 72/73,

Gene ... NN7CK ... Asheville, NC

Date: Fri, 23 Jun 2000 23:21:47 -0500
From: mahlon.r.haunschild@ac.com
To: qrp-1@Lehigh.EDU
Subject: [73337] Re: QRP Screws
Message-ID: <0F3DFE537C.BB268D41-0N86256908.001841A1@ac.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Small Parts carries 'em. 10 screws for \$1.33. go to www.smallparts.com for more info.

I seem to recall that they have a minimum order amount, but SURELY they have something else you need ;) (like an Incra ruler)

Usual disclaimers apply.

regards,

Mahlon - N4EEE

Date: Fri, 23 Jun 2000 12:24:51 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: "John L. Sielke" <n4js@pobox.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73289] Re: QRP Screws
Message-ID: <Pine.SUN.4.10.10006231215130.12757-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
On Fri, 23 Jun 2000, John L. Sielke wrote:
> Well, QRP in the sense of SMALL...I have been looking all over for some
2-56 X
> 1/4 NYLON pan head screws. The smallest Mouser has is 4-40. Does anyone
have a
> suggestion?

2-56 NYLON is almost impossible to find, and when you do, you'll faint from the prices. We have been unsuccessful getting them for the lab at work. The reason we were given is nylon just isn't strong enough at diameters much below 4-40, such that the nylon bolt will snap off inside the nut as soon as you begin to tighten it up. Very intolerant to much torque. We purchased some 2-56 nylon hardware that was strengthened with polycarbonate (I think) for higher strength, but the last time we tried to order, a nut and bolt ended up costing nearly a buck apiece. Ouch! That is NOT keeping with the QRP is SMALLER ... budget wise anyway :-)

But if anyone does know of a source for 2-56 nylon hardware that won't snap as soon as you tighten the nut, please let us know.

PS - And the polycarbonate and other stuff added to strengthen it also lowered it's dielectric constant/insulation properties drastically.

72, Paul NA5N

Date: Fri, 23 Jun 2000 22:17:56 -0700
From: Russ Dow <n7dw@garlic.com>
To: Nv4t@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73338] Re: Voice Mode
Message-ID: <39544484.9D30226B@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Whether true or not, that sounds like poetic justice to me...

Russ N7DW (an ex-WA)

Nv4t@aol.com wrote:

>
> As I breathe, 'twas W20Y- but do you know the story of his demise?
> Supposedly he suffered a heart attack while working on his tower, and
> dangled there quite a while until the fire department could bring down his
> lifeless body!
>
> 73, Bill NV4T former K3DDX, one of
> many tormented by good ol' OY

Date: Sat, 24 Jun 2000 02:31:42 EDT
From: AdamN7YA@aol.com
To: qrp-l@lehigh.edu
Subject: [73339] Re: Voice Mode
Message-ID: <5b.79b61f0.2685afce@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 6/23/2000 6:46:29 PM Pacific Daylight Time,
lewise@txwises.com writes:

<< W20Y of course....No Kids...No Lids.... >>

Heh...Martti Laine is known for his accomplishments in DXpeditioning, Lew McCoy is known for his work in antennas, Gordon West is known for his teaching, Alan Dorhoffer is known for his editorial conquests....W20Y is known by many for being a jerk, wow! what a testament! maybe by exposing his attitude like this we can show how cool he wasnt....hopefully we can avoid a future W20Y.

72/73/74...Adam, N7YA
Las Vegas, NV...Zone 03
QRP-L #1608, SOC #143, Y Guy #2
Code Warrior #76, Hamusician #1

Date: Sat, 24 Jun 2000 03:34:36 -0400
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73340] FD 2000
Message-ID: <015801bfddae\$a6ed97e0\$9f451b3f@win98>

Well gang, the bags are packed, the antenna resonates and I am ready for the Field Day event! Hope to work you on the air, although this year I will be at QRO.....maybe next year, eh?

Keep them ears tuned for W8MAA operating 3A.

72,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41
QRP-L #1569 - NorCal Zombie #236 - Worked All
El Paso #033/1999 - Member, MI DX Assn.
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL
Rag Chewers' Club - WAC -

Date: Fri, 23 Jun 2000 23:40:04 -0700
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73341] OT: Puzzle (But much more interesting than Tonto's horse)
Message-ID: <000b01bfdda7\$09bb25c0\$9a0c480c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A friend sent me the following puzzle ---- I just changed a few of the parameters to make it ham radio oriented.

1. There are five houses in five different colors.
2. In each house lives a Radio Ham of a different nationality
3. These five Hams have different kinds of Rigs, run different Power levels, and have different kinds of Antennas.
4. No two Hams have the same radio, run the same power or own the same antenna.

The Clues:

1. The GM4 shack is in a red house.
2. The SM7 has a dipole
3. The W6 is loves QRP and runs only 4 W.
4. The green house is on the left of and next door to the white house
5. The yard behind the green house contains a rhombic.
- 6.. The Ham who owns a Kenwood TS-950 also has a vertical
7. The Ham in the yellow house operates a Yaesu FT-847
8. The Ham in the center house runs a KW
9. The PY7 lives in the first house
10. The Ham who uses an old KWM2 lives next to the one who has a Yagi.
11. The Ham who owns a Quad lives next to the man who owns the Yaesu
12. The Ham who operates an Icom IC- 751 runs 100 Watts.
13. The VU2 has a Homebrew rig
14. The PY7 lives next to the blue house.
15. The Ham with the vintage Collins gear has a next-door neighbor who runs 600W.
16. One rig only runs 25W.

Find the order of houses, the house colors, the nationalities of the hams, the types of rigs they use, what power levels they prefer and their antennas. Good luck and best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org , <http://home.att.net/~alan.kaul/index.html>

Date: Sat, 24 Jun 2000 01:24:05 -0700
From: David J Adams <adamsclan@netgate.net>
To: QRP <qrp-1@lehigh.edu>
Subject: [73342] Quick test
Message-ID: <39547025.AE076DCA@netgate.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just checking...switched to DSL and my netgate account is having issues with the mail server.

73 de dave, n9uxu

Date: Sat, 24 Jun 2000 04:23:17 -0700 (PDT)

From: Jim Hale <kj5tf@yahoo.com>
To: Charles K Brown <n4so@juno.com>
Cc: QRP-L <qrp-l@Lehigh.EDU>
Subject: [73343] Re: Milliwatt Contest/Exchange
Message-ID: <20000624112317.12742.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I agree, but its optional. But the option ITSELF
confuses some folks.

And, for those fine hams who havnt seen the contest
rules, I cant imagine what they are thinking.. I'm
sure some just keep trolling and pass us by.

If you've seen and studied the rules, the W is clear.

Its the only thing about the mW test that I dont LOVE!

Even with that "flaw" its still a fantastic contest.

Even the best contest can always be improved.

Jim KJ5TF

--- Charles K Brown <n4so@juno.com> wrote:
> Some negative comments concerning the W in the
> Contest Exchange. (Monte Stark) Such as W25.
>
> I tend to agree. 250 mw seems clear to me.
>
> Ken Brown N4SO
> Mobile, AL EM50tk
> NorCal 20 at 5 watts
> 4 element mono. yagi
>
>

> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE
> software, visit:
> <http://dl.www.juno.com/get/tagj>.

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly

Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?
Get Yahoo! Mail - Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Sat, 24 Jun 2000 08:26:03 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Jim Hale <kj5tf@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73344] Re: Milliwatt Contest/Exchange
Message-ID: <Pine.3.89.10006240815.A7372-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 24 Jun 2000, Jim Hale wrote:

>
> Even with that "flaw" its still a fantastic contest.
>
> > Some negative comments concerning the W in the
> > Contest Exchange. (Monte Stark) Such as W25.
> >
> > I tend to agree. 250 mw seems clear to me.
> >

The problem occurs with computer logging. The popular contest loggers will accept W25 but not 250 mw. But I've learned to enter W25 if someone sends me 250 mw so not a problem for me...

73,

Bob Patten, N4BP , ' ' ' , (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715
SOC #1Whiners #6

Date: Sat, 24 Jun 2000 09:08:49 -0400

From: Fred Lesnick <flesnick@tbaytel.net>
To: "'cw@qth.net'" <cw@qth.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, QRP Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [73345] QRP Field day
Message-ID: <3954B2E1.D4BC70BF@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Will be operating QRP at field dayWill be using my OHRHP,MFJ 9420,and a HW8 as a standby rig.....VE3AVS, VE3XT, and myself are setting up this morning and will be running 40 and 20 metres, running QRP 1 watt,and QRO 1.5 watts.....so hope to work some of you around the bands....

Good luck on field day, and remember safety first.....

Fred
VE3FAL
Little Thunder QRP Club
Thunder Bay, Ontario

Date: Sun, 25 Jun 2000 06:33:17 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73346] Off to FD 2000
Message-ID: <39560A1D.FC8FBD74@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, after burning the midnight oil getting the scQRPion mic preamp in the K2, I am off for Field Day. Hope to work some of you "1E" stations as well.

Now if only Murphy will leave me the heck alone!

"73, Thomas - AC7A (Tucson)

Date: Sat, 24 Jun 2000 08:08:22 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73347] Barry Goldwater Museum Project
Message-ID: <Pine.BSI.3.96.1000624075324.18469A-1000000@usr01.primenet.com>

Content-Type: TEXT/PLAIN; charset=US-ASCII

The Arizona Historical Society is searching for funds to recreate the late senator's radio shack, and they are in need of \$77,000 to put up the exhibit. The collection includes his radios and equipment, memorabilia, and the well-worn leather chair Goldwater used. The contents of the room, which filled 18 boxes, was removed in May of this year before his house was sold and the room will be rebuilt exactly as Goldwater had it arranged.

You may not have agreed with his opinions 100% of the time, but you cannot deny his dedication.

```

      ,-----'
    /   What's all this   \
  /   extinct stuff, anyhow?  \
 \   -----,-----'
- ||/
oo\
(--) \
     \   . ' - .
     \   ' "
     \   ( )
     \   '-| )_-- :.
       | | | | \ '.
       c _; c _; ' - . '>._

```

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sat, 24 Jun 2000 11:19:41 -0500
From: Marty <N5NW@midsouth.rr.com>
To: qrp-1@lehigh.edu
Subject: [73348] Help with paddle repair
Message-ID: <ton9lscvpe447c0egfcebt2i6n20vr9lhe@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

I have a set of Envirotronic 501G paddles and the cap/knob from one of =
the
adjusting screws came loose during travel. Neither piece broke, =
thankfully.
Anyone know what was used to hold the knob onto the head of the screw? =
It
appears to be a resin of some sort, a gold-colored resin that is very =
hard.
I'd love the assistance in repairing it!

--
Marty, N5NW

-----=

Lakeland (Memphis), Tennessee =
<http://marty.w.tripod.com/>
N5NW@midsouth.rr.com

Date: Sat, 24 Jun 2000 10:37:32 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [73349] CQC Field Day
Message-ID: <39548F6C.32717.2DA398@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Just got a report in from the W0CQC Field Day site on Rampart Range-- looks pretty good since they were using a 2M mobile in a car and I was using the HT in the shack, S9 simplex signals both ways over ground distance of about 50 miles [g]. Everything is looking good, but they are trying to decide now whether to go ahead with 3A or revert to 2A do to an apparent shortage of ops. I told them to calm down-- they don't have to decide till they make the first QSO and I know for a fact some other guys are on the way up, besides which they can borrow a novice/tech op for the SSB station, or even a non-licensed person [g].

I'll be going up later this afternoon, acting in my capacity as official Bag Man, or Bringer of Forgotten Items. Already got the now-traditional request for Two Bags of Ice. I also hope to put in some time at the Aloha site, AB0CD tomorrow morning, and do some what I call "real" operating with a paddle and a paper log. It's also a good tune up for the Summer Fox Hunt [g].

Good luck to all involved in Field Day, and if you aren't, why not? Please get on and hand out a few numbers!

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
<http://www.mtechnologies.com>

Date: Sat, 24 Jun 2000 13:01:58 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <alan.kaul@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73350] Re: Puzzle (But much more interesting than Tonto's horse)
Message-ID: <005c01bfde06\$4dfd9e20\$0100a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't know the answer to the puzzle, but how do you say "Intermod"?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
SOC#198
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: Alan Kaul <alan.kaul@worldnet.att.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Saturday, June 24, 2000 1:40 AM

Subject: OT: Puzzle (But much more interesting than Tonto's horse)

> A friend sent me the following puzzle ---- I just changed a few of the
> parameters to make it ham radio oriented.

>

>

> 1. There are five houses in five different colors.

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> antenna.

>

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>

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runs

> 600W.

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>

> Find the order of houses, the house colors, the nationalities of the hams,
> the types of rigs they use, what power levels they prefer and their
> antennas. Good luck and best 72/73 de alan

>

> Alan Kaul, W6RCL, LaCanada, CA

> w6rcl@amsat.org , <http://home.att.net/~alan.kaul/index.html>

>

Date: Sat, 24 Jun 2000 14:51:02 -0400
From: "C. Lamar Derk" <n3at@no1n.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73351] Change of email address
Message-ID: <39550316.4FA866B1@no1n.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please change my email address to: n3at@enter.net
72 de Lamar, N3AT

Date: Sat, 24 Jun 2000 22:37:49 -0700
From: oxf01@maxmail.co.uk
To: qrp-1@lehigh.edu
Subject: [73352] MC3362
Message-ID: <39559AAC.5436@maxmail.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all:

Can someone tell if the MC3362 is still produced or even available. I suspect that it is not! In that case I'd appreciate recommendations for other chips that are somewhat similar, i.e. mixers if-amps and prod detector, that would work for a compact TXVR.

Any advice appreciated!

73, Mike G4COA

Date: Sat, 24 Jun 2000 14:47:14 -0700
From: David Shalita <af389@lafn.org>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [73353] OT:WinSpice3 help needed
Message-ID: <39552C62.69F5FA55@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Folks,

I really could use a little help with a WinSpice3 analysis.

I have lost my ELMER I, II, and III QRP SPICE notes from Chuck Adams where I think he showed examples of how to do component parameter sweeps.

As I recall, he used the "model" feature in a resistor to change the multiplier allowing the effective resistor value to be varied with DC sweep command.

To learn this technique all I want to do is vary the top resistor in a 2 resistor voltage divider from 1 to 100 ohms in 5 ohm steps. Bottom resistor will be fixed at 100 ohms.

Tried to follow examples in my SPICE textbooks but WinSpice3 says unknown model. I checked Chuck Adams site but did not find anything on this subject.
Anyone know where I can get a copy of that tutorial?

Here is my tiny WinSpice3 SPICE file:

* dc voltage divider -Tests circuit by using DC sweeping

*rmodtop alters the top resistor of the divider.

*sweep rmod1 from 1 to 100 in 5 ohm steps

```
VBAT 1 0 DC 1
r1 1 2 100 rmod1
r2 2 0 100
```

```
.MODEL rmod1 res(r=100)
.DC res rmod1(r) 0 100 5
.END
* spice output commands
```

```
*# run
*# dc res rmod1(r) 0 100 5
*# plot v(1) v(2)
```

Thank you for any help.

73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

End of QRP-L Digest 1862
